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\* Copies not attached as previously submitted to or cited by the USPTO in parent application US 10/302,606

\*\*Copies not attached as previously submitted to or cited by the USPTO in grandparent application US 09/855,094

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0851-0031

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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	101693990
Sheet	1	Filing Date	10/28/03
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AN DD
		Attorney Docket Number	ZG007US

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AS	1	US-4,458,255 **	07.03.1984	Giles	
AS		US-5,812,159 **	09.22.1998	Anagnostopoulos et al	
AS		US-4,855,567 **	08.08.1989	Mueller	
AS		US-4,812,792 **	03.14.1989	Leibowitz	
AS		US-4,007,464 **	02.08.1977	Bassous et al	
AS		US-5,612,723 **	03.18.1997	Shimura et al	
AS		US-6,485,423 *	11.26.2002	Silverbrook	
AS		US-6,174,050 *	01.16.2001	Kashino et al	
AS		US-5,719,604	02.17.1998	Inui et al	
AS		US-5,666,141	09.09.1997	Matoba et al	
AS		US-4,672,398	06.09.1987	Kuwabara et al	
AS		US-4,737,802	04.12.1988	Mielke	
AS		US-5,029,805	07.09.1991	Albarda et al	
AS		US-5,258,774	11.02.1993	Rogers	
AS		US-4,553,393	11.19.1985	Ruoff	
AS		US-4,864,824	09.12.1989	Gabriel et al	
AS		US-4,423,401	12.27.1983	Mueller	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AS	2	EP 0713774 A2	05.29.1996	Sharp Kabushiki Kaisha	T6
AS		DE'195'16'997	11.16.1995	Sharp KK	
AS		DE'196'23'620'A1	12.19.1996	Sharp KK	
AS		JP 2'108544'(Abstract)	04.20.1990	Selko Epson Corp	
AS		JP 2'92643'(Abstract)	04.03.1990	Selko Epson Corp	
AS		JP 4'353458'(Abstract)	12.08.1992	Brother Ind Ltd	
AS		JP 6'91865'(Abstract)	04.05.1994	Seikosha Co Ltd	
AS		JP 6'91866'(Abstract)	04.05.1994	Seikosha Co Ltd	
AS		JP 2'265752'(Abstract)	10.30.1990	Matsushita Electric Ind Co Ltd	
AS		EP 0 634 273	01.18.1995	Sharp Kabushiki Kaisha	

Examiner Signature	<i>Anil</i>	Date Considered	1/7/05
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PLoS/SPB/08A (10-01)  
Valid for use through 10/31/2002; QMB 0651-0031

Approved for use through 10/31/2002: OMB 0651-003  
**U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE**  
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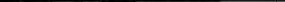
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Substitute for form 1449A/PTO			Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Application Number	10/693,990
(use as many sheets as necessary)			Filing Date	10/28/03
			First Named Inventor	Kia Silverbrook
			Art Unit	2853
			Examiner Name	AN DO
			Attorney Docket Number	ZG007US
Sheet	2	of	7	

U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Country Code <sup>3</sup> -Number <sup>4</sup> , Kind Code <sup>5</sup> ( <i>If known</i> )		
10	1	DE 195 32 913	03.28.1996	Sharp K.K.
10	2	JP 58 112747 (Abstract)	07.05.1983	Fujitsu KK
10	3	DE 43 28 433	03.02.1995	Heidleberger Druckmaschinen AG
10	4	JP 61 025849 (Abstract)	02.04.1986	Canon Inc
10	5	JP 01 128839 (Abstract)	05.22.1989	Ricoh Co Ltd
10	6	JP 04 126255 (Abstract)	04.27.1992	Seiko Epson Corp
10	7	GB 2 262 152	06.09.1993	Willett Int Ltd
10	8	DE 195 16 997	11.16.1995	Sharp K.K.
10	9	JP 05 318724 (Abstract)	12.03.1993	Seikosha Co Ltd
10	10	JP 02 162049 (Abstract)	06.21.1990	Seiko Epson Corp

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/693,990
(use as many sheets as necessary)		Filing Date	16/28/03
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	AN DO
		Attorney Docket Number	ZG007US
Sheet	3	of	7

U.S. PATENT DOCUMENTS

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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)		
DP	DE 32 45 283		06.07.1984	Siemens AG
DP	JP 04 368851 (Abstract)		12.21.1992	Seiko Epson Corp
DP	JP 02 158348 (Abstract)		06.18.1990	Minolta Camera Co Ltd
DP	JP 03 112662 (Abstract)		05.14.1991	Seiko Epson Corp
DP	JP 03 653348 (Abstract)		03.20.1991	Matsushita Electric Ind Co
DP	EP 0 431 338		06.12.1991	Matsushita Electric Ind Co
DP	JP 01 257058		10.13.1989	Seiko Epson Corp
DP	DE 195 17 969		11.30.1995	Sharp K.K
DP	DE 196 39 717		04.17.1997	Sharp K.K
DP	EP 0 737 580		10.16.1996	Canon K.K

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1 Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO, Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (10-01)

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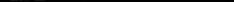
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/693,990
(use as many sheets as necessary)		Filing Date	10/29/03
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	ANT DO
		Attorney Docket Number	ZG007US
Sheet	4	of	7

U.S. PATENT DOCUMENTS

## **FOREIGN PATENT DOCUMENTS**

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		Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
		EP 0 882 590	12.09.1998	Canon K.K.	
		EP 0 478 956	04.08.1992	Kernforschungsz Karlshruhe GMBH	
		DE 1 648 322	03.24.1971	VDO Tachometerwerke GMBH	
		GB 1 428 239	03.17.1976	Cibie Projecteurs	
		DE 39 34 280	04.26.1990	CAE di Cipellotti Alberto	
		DE 29 05 063	08.14.1980	Olympia Werke AG	
		WO 94 18010	08.18.1994	Domino Printing Sciences PLC	
		EP 0 398 031	11.22.1990	Selko Epson Corp	
		EP 0 427 291	05.15.1991	Selko Epson Corp	
		JP 01 115639 (Abstract)	05.08.1989	Ricoh Co Ltd	

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PI0/S8/08A (10-01)  
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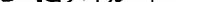
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GSA FPMR (41 CFR) 101-11, Attachment A  
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## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (If Known)			
AB	7	JP 58 116165 (Abstract)	07.11.1983	Canon K.K.	
AB	7	EP 0 627 314	12.07.1994	Olivetti Canon Ind SPA	
AB		JP 61-268453 (Abstract)	11.27.1986	Olympus Optical Co Ltd	
AB		JP 04-118241 (Abstract)	04.20.1992	Seiko Epson Corp	
AB		EP 0 506 232	09.30.1992	Videojet Systems Int, Inc	
AB		JP 07 314665 (Abstract)	12.05.1995	Canon Inc	
AB		JP 03 180350	08.06.1991	Seiko Epson Corp	
AB		WO 97 12689	04.10.1997	The Board of Trustees of the Leland Stanford University	
AB		JP 02 050841 (Abstract)	02.20.1990	Seiko Epson Corp	

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BB	7	EP 0 510 648	10-26-1992	IVRI YEHUDA	
BB		JP 05 28765 (Abstract)	10-29-1993	Canon Inc	
BB		JP-04-141429-(Abstract)	05-14-1992	Seiko-Epson Corp	
BB		JP-01-105746-(Abstract)	04-24-1989	Ricoh Co. Ltd	
BB		GB-792 145	03-19-1958	Technograph Printed Circuits Ltd	
BB		EP 0 750 993	01-02-1997	Canon K.K	
BB		JP 01 306254-(Abstract)	12-11-1989	Seiko Epson Corp	
BB		EP 0 092 229	10-26-1983	Siemens AG	
BB	7	DE 37'16996	12-08-1988	VDO Schindling	
BB		DE 34 30 155	02-27-1986	Siemens AG	
		EP 2 231 076	12-20-1974	Electricite De France	

Examiner Signature	<u>Ash</u>	Date Considered	1/7/05
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				Examiner Name	AN DO
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Sheet	7	of	7		

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
<i>DJ</i>		NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol 55, no. 1, 15-July-1996, pp 65-69, XP004077979 ISSN: 0924-4247.	
<i>DJ</i>		ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	
<i>DJ</i>		YAMAGATA, YUTAKA et.al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceedeing of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January-1994, pp-142-147, XP000528408, ISBN: 0-7803-1834-X.	

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